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® Date of deferred publication of the search report: 16.01.91 Bulletin 91/03 Applicant: HEM RESEARCH, INC. 12280 Wilkins Avenue P.O. Box 2245 Rockville, MD 20852(US)

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Representative: Hallybone, Huw George CARPMAELS AND RANSFORD 43 Bloomsbury Square London WC1A 2RA(GB)

Promotion of host defense by systemic dsRNA treatment.

Parenterally administered systemic dsRNAS release host mediators into various compartmentalized biological fluids to combat various microorganisms, particularly viruses, thereby reducing the infectivity and spread of various organisms including those associated with various diseases such as those caused by venereal warts, herpes and HIV.

EP 0 308 066 A3



EUROPEAN SEARCH REPORT

Application Number

EP 88 30 7529

	DOCUMENTS CONS			
Category	Citation of document with of relevant p	indication, where appropriate, passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
x	PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN SOCIETY OF CLINICAL ONCOLOGY, Atlanta, Georgia, 17th - 19th May 1987, vol. 6, March 1987, page 2, abstract 8; W.A. CARTER et al.: "Clinical improvement of patients with HIV-related immune dysfunction on mismatched dsRNA (ampligen) therapy" * Abstract *		1-3,5,6	A 61 K 31/70
Υ	IDEM	•	4,7	
D,E	EP-A-0 299 745 (H * Column 5, lines	EM RESEARCH INC.) 5-11,18,19,28,30 *	1-9	
	DIALOG INFORMATION BIOSIS 69-90, acce N. NGWA-SUH et al. of ampligen agains in-vitro", & ANNUAL AMERICAN SOCIETY FO Miami Beach, Fl., U	ss. no. 0018570900; : "Antiviral activity t cytomegalovirus L MEETING OF THE DR MICROBIOLOGY, JS, May 8-13, 1988	1-9	TECHNICAL FIELDS SEARCHED (Int. Cl.4) A 61 K
	EP-A-0 213 921 (HE * Pages 20,21; page		1-9	C 07 H
	HAND BOOK OF EXPERIMENTAL PHARMACOLOGY, vol. 71, Interferons and their applications, 1984, pages 535-555, Ed. P.E. CAME et al., Springer-Verlag, Berlin, DE; J.J. GREENE et al.: "Therapeutic applications of double-stranded RNAs" * Whole document, esp. page 543 *		1-9	
The present search report has been drawn up for all claims				
		Date of completion of the search $30-10-1990$	ORVI	Examiner Z DIAZ P.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document CATEGORY OF CITED DOCUMENTS T: theory or principle u E: earlier patent document E: earlier patent document D: document cited in the document cited in the same category L: document cited for one category A: member of the same document				hed on, or

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	С	LAIMS INCURRING FEES					
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The	The present European patent application comprised at the time of filing more than ten claims.						
		All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.					
Г	7	Only part of the claims fees have been paid within the prescribed time limit. The present European search					
_	_	report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,					
		namely claims:					
		No claims fees have been paid within the prescribed time limit. The present European search report has been 💢 .					
		drawn up for the first ten claims.					
7	_	ACK OF UNITY OF INVENTION					
X The S		th Division considers that the present European patent application does not comply with the requirement of unity of					
		and relates to several inventions or groups of inventions,					
namel	y:						
1	•	Claims 2-6 and 1,8,9(partially): The use of ds RNA in the manufacture of a medicament for the parenteral treatment of a viral disease.					
2		Claims 7 and 1,8,9(partially): The use of ds RNA in the manufacture of a medicament for the parenteral treatment of Alzheimer's disease.					
	X	All further search fees have been paid within the fixed time fimit. The present European search report has been drawn up for all claims.					
]	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.					
		namely claims:					
]	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.					
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EUROPEAN SEARCH REPORT

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Application Number

EP 88 30 7529

	DOCUMENTS CONSI			
Category	Citation of document with it of relevant pa	dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X,D	THE LANCET, 6th Jumpages 1286-1292; W./ "Clinical, immunology virological effects mismatched double-spatients with AIDS complex" * Whole article *	A. CARTER et al.: gical, and of ampligen, a tranded RNA, in	1-9	
Y	DIALOG. INFORMATION (MEDLINE), accession McGEER et al.: "Postomography and the postopathology in Alaward PROG. NEUROPSYCHO! PSYCHIATRY vol. 10, 501-518 * The abstract *	n no. 06119072; P.L. itron emission possible origins of zheimer's disease", PHARMACOL. BIOL.	1,7-9	
	MOL. PHARMACOL., vo pages 299-312; P. To intergrated and comp the antiviral effect biological propertic polyinosinic acidpolits its mismatched analoge * Whole document *	parative study of as and other as of the lycytidylic acid and	1-9	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
	ARCH. INTERN. MED., 1970, pages 109-124; al.: "Double-strande in the prevention of * Whole document, es	M.R. HILLEMAN et ed RNAs (Poly I:C) viral infections"	1-9	
	The present search report has be	en drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
THE	HAGUE	30-10-1990	ORVI	Z DIAZ P.
X : parti Y : parti docu A : techi O : non-	ATEGORY OF CITED DOCUMEN cularly relevant if taken alone cularly relevant if combined with anot ment of the same category nological background written disclosure mediate document	E: earlier paient after the filling her D: document cite	ciple underlying the document, but public gdate d in the application d for other reasons	shed on, ar

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